

SYSTEM AND METHOD FOR PROVIDING QUALITY OF SERVICE
TRANSPORT AT AN AIR INTERFACE OF A TELECOMMUNICATIONS
NETWORK

ABSTRACT OF THE DISCLOSURE

A telecommunications network includes a mobile station that generates wireless telecommunications traffic in radio frames for transmission to a base transceiver station. The mobile station sets a TFCI field in the radio frame to provide a class of service indication for the payload information carried in the radio frame. The TFCI field is set according to a priority of the payload information to be carried in the radio frame. The base transceiver station receives the wireless telecommunications traffic and identifies the class of service indications carried in the radio frame. The base transceiver station encapsulates the radio frame into Internet Protocol packets. The base transceiver station maps the transport format combination indicator field into a differentiated services code point field in header information of the Internet Protocol packets. The base transceiver station forwards the Internet Protocol packets to a base station controller over an Internet Protocol network according to the identified class of service indication in the differentiated services code point field.

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